

## **AMENDMENTS TO THE CLAIMS**

Claims 1-8 (Cancelled).

9. (New) An encoder-equipped sealing device comprising:

a first seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween;

a second seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween, said first seal element and said second seal element being arranged such that said space of said first seal element faces said space of said second seal element;

an elastic seal portion on said flange portion of said first seal element and arranged in said space of said first seal element;

a magnet-based encoder on said flange portion of said second seal element; and

a coating layer only on an outer side of said flange portion of said first seal element so as to face away from said second seal element.

10. (New) The encoder-equipped sealing device of claim 9, wherein said coating layer comprises a lubricating layer having a lubricating surface.

11. (New) The encoder-equipped sealing device of claim 10, wherein said lubricating layer is made of a surface treatment liquid including a mixture of a solvent and at least one material selected from a group consisting of silicone oil, surface-active agent, wax, and metallic soap.

12. (New) The encoder-equipped sealing device of claim 10, wherein said outer side of said flange portion of said first seal element has a rugged surface.

13. (New) The encoder-equipped sealing device of claim 9, wherein said lubricating layer is made of a surface treatment liquid including a mixture of a solvent and at least one material selected from a group consisting of silicone oil, surface-active agent, wax, and metallic soap.

14. (New) The encoder-equipped sealing device of claim 13, wherein said outer side of said flange portion of said first seal element has a rugged surface.

15. (New) The encoder-equipped sealing device of claim 9, wherein said outer side of said flange portion of said first seal element has a rugged surface.

16. (New) The encoder-equipped sealing device of claim 15, wherein said rugged surface has a surface roughness in a range of Ra 0.2 to Ra 100.

17. (New) An encoder-equipped sealing device comprising:  
a first seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween;

a second seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween, said first seal element and said second seal element being arranged such that said space of said first seal element faces said space of said second seal element;

an elastic seal portion on said flange portion of said first seal element and arranged in said space of said first seal element;

a magnet-based encoder on said flange portion of said second seal element; and

a coating layer only on an outer side of said magnet-based encoder on said second seal element so as to face away from said first seal element.

18. (New) The encoder-equipped sealing device of claim 17, wherein said coating layer comprises a lubricating layer having a lubricating surface.

19. (New) The encoder-equipped sealing device of claim 18, wherein said lubricating layer is made of a surface treatment liquid including a mixture of a solvent and at least one material selected from a group consisting of silicone oil, surface-active agent, wax, and metallic soap.

20. (New) The encoder-equipped sealing device of claim 18, wherein an outer side of said flange portion of said first seal element has a rugged surface.

21. (New) The encoder-equipped sealing device of claim 17, wherein said lubricating layer is made of a surface treatment liquid including a mixture of a solvent and at least one material selected from a group consisting of silicone oil, surface-active agent, wax, and metallic soap.

22. (New) The encoder-equipped sealing device of claim 21, wherein an outer side of said flange portion of said first seal element has a rugged surface.

23. (New) The encoder-equipped sealing device of claim 17, wherein an outer side of said flange portion of said first seal element has a rugged surface.

24. (New) The encoder-equipped sealing device of claim 23, wherein said rugged surface has a surface roughness in a range of Ra 0.2 to Ra 100.

25. (New) An encoder-equipped sealing device comprising:

a first seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween;

a second seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween, said first seal element and said second seal element being arranged such that said space of said first seal element faces said space of said second seal element;

an elastic seal portion on said flange portion of said first seal element and arranged in said space of said first seal element;

a magnet-based encoder on said flange portion of said second seal element; and

a coating layer only on both an outer side of said flange portion of said first seal element so as to face away from said second seal element and an outer side of said magnet-based encoder on said second seal element so as to face away from said first seal element.

26. (New) The encoder-equipped sealing device of claim 25, wherein said coating layer comprises a lubricating layer having a lubricating surface.

27. (New) The encoder-equipped sealing device of claim 26, wherein said lubricating layer is made of a surface treatment liquid including a mixture of a solvent and at least one material selected from a group consisting of silicone oil, surface-active agent, wax, and metallic soap.

28. (New) The encoder-equipped sealing device of claim 26, wherein said outer side of said flange portion of said first seal element has a rugged surface.

29. (New) The encoder-equipped sealing device of claim 25, wherein said lubricating layer is made of a surface treatment liquid including a mixture of a solvent and at least one material selected from a group consisting of silicone oil, surface-active agent, wax, and metallic soap.

30. (New) The encoder-equipped sealing device of claim 29, wherein said outer side of said flange portion of said first seal element has a rugged surface.

31. (New) The encoder-equipped sealing device of claim 25, wherein said outer side of said flange portion of said first seal element has a rugged surface.

32. (New) The encoder-equipped sealing device of claim 31, wherein said rugged surface has a surface roughness in a range of Ra 0.2 to Ra 100.

33. (New) An encoder-equipped sealing device comprising:  
a first seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween;

a second seal element including an annular metal core having a substantially L-shaped cross section, said annular metal core having a cylindrical portion and a flange portion on an end of said cylindrical portion, said flange portion extending in a direction perpendicular to an extension direction of said cylindrical portion so as to define a space therebetween, said first seal element and said second seal element being arranged such that said space of said first seal element faces said space of said second seal element;

an elastic seal portion on said flange portion of said first seal element and arranged in said space of said first seal element;

a magnet-based encoder on said flange portion of said second seal element; and

a lubricating layer on at least one of an outer side of said flange portion of said first seal element so as to face away from said second seal element and an outer side of said magnet-based encoder on said second seal element so as to face away from said first seal element, said lubricating layer having a lubricating surface.